

(C) WPI/Derwent

AN - 1979-38363B [25]

CPY - KOVY-I

DC - E12

FS - CPI

IC - C07C51/52 ; C07C57/04

IN - LOMADZE E D; PILIPENKO A N

MC - E05-A E10-C04G

M3 - [01] J1 H7 M210 M212 M231 M260 M281 M312 M320 A103 A960 C710 A137 A155

J171 H721 M630 N000 H714 M510 J0 M520 M530 M540 M720 M411 M416 M902

- [02] A103 A137 A155 A960 A990 C710 H7 H714 H721 J0 J011 J1 J171 M210

M212 M231 M260 M281 M312 M320 M411 M416 M510 M520 M530 M540 M630 M720

M903 N000

PA - (KOVY-I) KOVYRZINA K A

PN - SU614089 A 19780614 DW197920 000pp

PR - SU19752191172 19751119

XIC - C07C-051/52 ; C07C-057/04

AB - SU614089 Lithium acrylate (I) is obtd. by interaction of lithium alkoxide (II) with acrylic acid (III). The process is carried out at temp. of 10-20 degrees C with the reactants in the molar ratio. The resultant mass is then treated with an organic solvent (miscible with water and (III) but not dissolving the fina prod.) e.g. acetone (IV). The yield of (I) is quantitative. Washing of (I) with (IV) removes fully the impurities: water and (III). Prepn. of (II) is carried out in the usual way from metallic lithium (V) and methanol (VI) practically all lithium is converted to methyllate (methoxide

- The process is simple, the fina prod. is not contaminated by polymeric prods. because the latter are not formed at low temp. of the process. The method affords (I) in a pure state (important in prepn. of (I) of the isotopic compsn.) in an almost quantitative yield (95% expressed as pure prod.; purity is approx 99.7%) directly from (V).

IW - HIGH PURE LITHIUM ACRYLATE PREPARATION REACT LITHIUM ALKOXIDE ACRYLIC ACID TREAT ACETONE

IKW - HIGH PURE LITHIUM ACRYLATE PREPARATION REACT LITHIUM ALKOXIDE ACRYLIC ACID TREAT ACETONE

INW - LOMADZE E D; PILIPENKO A N

NC - 001

OPD - 1975-11-19

ORD - 1978-06-14

PAW - (KOVY-I) KOVYRZINA K A

TI - High purity lithium acrylate prepn. - by reacting lithium alkoxide with acrylic acid and treatment with acetone